

PROGRAMMING MANUAL

The installation has to be made by qualified personnel only. Carefully follow the instructions below. The module has to be placed in a safe and dry location, to avoid injuries and battery acid spills. Then,

The device is composed by:

- main body
- water level / unbalance monitor / temperature sensor
- connection cable to battery poles

In order to avoid damages on module, please follow this procedure:

- Drill a hole on the central element of the battery; it's easy to identify it, by measuring the voltage between the **negative** pole of the battery and the **negative** pole of the cell: it must be the half of the full voltage battery.
- Mount the main body, laying it between two cell interconnections, and fast it with fasteners.
- Put the water level sensor in the hole previously drilled.
- Connect the negative pole of the module (black cable) to the negative pole of the battery.
- Connect the positive pole of the module (red cable) to the positive pole of the battery. Depending on battery voltage, it could happen that the first contact between the two poles causes some little sparkles.

After the installation, inspect the battery module completely, electrical connections or other damages.



NOTE

In order to properly communicate with the battery module, the display parameter BATTERY MODULE needs to be set AUTOMATIC. This parameter is available in the MANUFACTURER MENU.

CONFIGURATION

In order to use the module at best, it's necessary to configure it with battery specifications. To do so, please follow this procedure:

- mount the module following the procedure described above.
- connect the charger to the battery: the charger will recognize the battery.



BATTERY
PLUGGED

- Then the charger will try to discover the module:



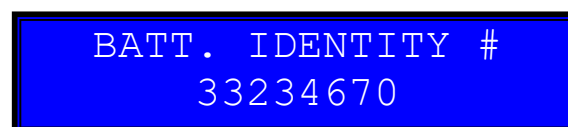
SEARCHING
BATTERY MODULE

- In case of not programmed module, the charger will show immediately the programming stage.
If the user needs to reprogram the module, it's necessary during this phase to keep pressed buttons "EQ" and "RE-START".



BATTERY MODULE
ERASE STATS

- Once the programming will appear, the charger will show the name of the battery module to be set, composed by a 8 alphanumeric digit code, set by default to "0". It's possible to change the name of each digit by pressing "<>" and then "EQ" and/or "RE-START". First seven digit are used to identify the battery. Last digit to the right is used by the charger to identify the charge strategy of the battery.:



BATT. IDENTITY #
33234670

Configurazione modulo: "RATE %" (8 cifra)			
0	Modalità di carica definita dalla programmazione del caricabatterie	I	23%
1	10% (10-12h)	J	24%
2	16% (7-8h)	K	26%
3	25% (OPPORTUNITY mode)	L	27%
4	30% (FAST mode)	M	28%
5	35% (FAST mode)	N	29%
6	40% (FAST mode)	O	31%
7	11%	P	32%
8	12%	Q	33%
9	13%	R	34%
A	14%	S	36%
B	15%	T	37%
C	17%	U	38%
D	18%	V	39%
E	19%	W	\
F	20%	X	\
G	21%	Y	\
H	22%	Z	\

- Once selected the battery name, scroll with "EQ" and/or "RE-START", and specify the remaining parameters:
 - Battery voltage (12V,24V,36V,48V,60V,72V,80V,96V)

BATTERY VOLTAGE
24V

- Ah (5-2500 Ah)

BATTERY AMP.HOUR
775

- Battery type (WET, DRY..)

SEARCHING
BATTERY MODULE

Once the battery configuration has been setup, it's necessary to store it on the module, by keep pressed buttons "EQ" and "RE-START", the procedure is finished when the charger will show "SET:OK"



NOTE

If the programming of the battery module is interrupted, caused by a turn OFF of the charger, it is mandatory RE-program properly the battery module until the charger display will show "SET: OK"